

USB2.0 Port USB Media Adapter User Manual



**Version 1.0
May. 2009**

Table of Contents

Introduction.....	4
Product Feature	5
Specifications	6
Package Content	8
1 Installation	10
1.1 Identifying hardware components	10
1.2 LED indicators	11
2 Starting Up.....	14
2.1 System requirement.....	14
2.2 Hardware installation	15
2.3 Utility Installation.....	16
3 Managing Your Device.....	20
3.1 Prepare Your Computer to Connect USB Media Adapter.....	20
3.2 Status of USB Media Adapter	21
3.3 Setup Your USB Media Adapter	22
3.4 Setting FTP Server	28
3.5 Setup SMB Server	30
3.6 BitTorrent.....	33
3.7 Media Server	38
3.8 Disk Utility.....	39
3.9 Misc: Factory Default and Firmware Upgrade	40
3.10 Restart.....	42
3.11 Linux and Mac system	43
4 Internet Connection	45
5 Troubleshooting	47

Copyright

This publication, including all photographs, illustrations and software, is protected under international copyright laws, with all rights reserved. Neither this manual, nor any of the material contained herein, may be reproduced without written consent of the author.

Disclaimer

The information in this document is subject to change without notice. The manufacturer makes no representations or warranties with respect to the contents hereof and specifically disclaims any implied warranties of merchantability or fitness for any particular purpose. The manufacturer reserves the right to revise this publication and to make changes from time to time in the content hereof without obligation of the manufacturer to notify any person of such revision or changes.

Trademark recognition

All product names used in this manual are the properties of their respective owners and are acknowledged.

Federal Communications Commission (FCC)

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and the receiver.

Connect the equipment onto an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

Shielded interconnect cables and a shielded AC power cable must be employed with this equipment to ensure compliance with the pertinent RF emission limits governing this device. Changes or modifications not expressly approved by the system's manufacturer could void the user's authority to operate the equipment.

CE MARK



This device complies with the requirements of the EEC directive 89/336/EEC with regard to "Electromagnetic compatibility" and 73/23/EEC "Low Voltage Directive".

About this manual

This manual is intended for system administrators who are familiar with setting up a new system and installing an operating system.

Safety information

Before installing and using the USB Media Adapter, take note of the following precautions:

- Read all instructions carefully.
- Do not place the unit on an unstable surface, cart, or stand.
- Do not block the slots and opening on the unit, which are provided for ventilation.
- Do not push objects in the ventilation slots as they may touch high voltage components and result in shock and damage to the components.
- Only use the power source indicated on the marking label. If you are not sure, contact your dealer or the Power Company.
- Do not place anything on the power cord. Place the power cord where it will not be in the way of foot traffic.
- Follow all warnings and cautions in this manual and on the unit case.
- When replacing parts, ensure that your service technician uses parts specified by the manufacturer.
- Avoid using the system near water, in direct sunlight, or near a heating device.



The USB ports can be damaged if care is not taken when connecting devices. Ensure USB devices are correctly inserted. Plugging a phone line into the LAN port (RJ-45 connector) can damage the connector. Take care only plug an RJ-45 connector into the LAN port.

Introduction

Thank you for purchasing the USB Media Adapter. This product is specifically designed for Small Office and Home Office needs, providing a reliable and centralized data storage solution. With it you will be able to access your shared files from any desktop or laptop within your network.

The USB Media Adapter is a convenient and economical solution for adding any USB storage devices onto your LAN (Local Area Network). Once on the network, the USB storage can be shared by any network user, just like an ordinary NAS device.

Come built-in with a USB 2.0 connection and a fast Ethernet 10/100Mbps connection, the USB Media Adapter supports both SMB (Server Message Block) and the open source Samba network protocols, allowing for cross-platform access of all shared data for most versions of Windows 2000/XP/2003/Vista, Mac OS X or above, and various Linux distributions. For remote users who are not connected over the LAN, the NAS Adapter provides FTP access for up to 8 simultaneous users anywhere in the world with an internet connection. In addition, the NAS adapter can also be used as a BitTorrent downloading appliance.

Product Feature

- Convert any USB 2.0 mass storage device into a Network Attached Storage device
- Great for creating a custom Network Attached Storage appliance.
- Support Fast Ethernet 10/100Mbps.
- Simple to install.
- Small and light weight. Can be installed practically anywhere.
- Support Samba server for up to 8 concurrent clients.
- Support FTP server for up to 8 concurrent users.
- Built-in BitTorrent client for direct download to the attached USB storage device
- Can be set as a UPnP AV server to share photo/music/film files stored on the file server with XBOX 360 video game consoles, PS3 and iTunes connected to the LAN
- User management to allow read only or read/write access to folders
- Administrative management access via web browser with password security.
- Compatible with all Windows OS, Mac OS, and Linux.

Specifications

Function Summary

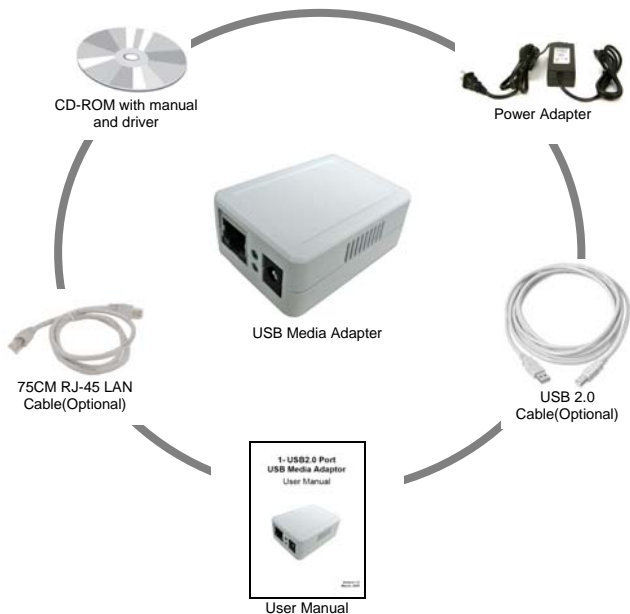
Item	Descriptions
Interfaces	
USB	1-USB2.0 high speed compliant port
LAN	Complies with IEEE 802.3/3u, 10/100Base-TX, Auto MDI/MDI-X
Software	
Network Operating System Support	Windows 2000/XP/2003/Vista, Mac OS X or above, Linux
Network Protocol Support	Samba /FTP (UTF8) / BitTorrent/UPnP AV
IP Configure	DHCP Client or Static IP
Management	Web interface
Software Upgradeable	Web interface
Maximum User Login	FTP 8 User/Samba 8 User (Total 64 TCP connection at the same time)
File System	FAT32 (Maximum single size: 127GB)
HDD Capacity	20GB ~ 1.5TB
FTP Server	Maximum create 16 user account, maximum 16 folder share by one account
Samba Server	Share Level Access, maximum 16 folder share by root
BitTorrent Station	<ul style="list-style-type: none"> • Support Tracker & DHT • BT Download Throughput : 8M bps • Max. 4 torrents download at the same time and Max. 32 Torrents queuing
Media Server	Support XBOX360, PS3 and iTunes
Print Server	LPR protocols (Optional)
Throughput	Read \pm 9M Bytes, \pm Write 10M Bytes
Hardware	
CPU	x86-based SoC
Flash	1Mbytes
System Memory	16Mbytes SDRAM
LAN	10/100Base-TX Auto MDI/MDI-X

Item	Descriptions
USB Port	1-USB2.0 high-speed port
Reset Button	Yes (Reset / Load Factory Defaults)
Power Adapter	5V/2A, switching
Dimension	73.5(Length) x 63(Width) x 30(Height) mm
Weight	58g (device only)
Temperature	Operating : 0 ~ 50°C; Storage : -5 ~ 65°C
Humidity	Operating : 0 ~ 70%; Storage : 0 ~ 80%

- This product does not support use of USB hubs for daisy-chained connection, USB-to-Parallel connectors, or USB cable extenders.
- All contents and specifications are subject to change without notice.
- Other brands and product names are trademarks or registered trademarks of their respective owners.

Package Content

The package should contain all the followings. If anything is missing or appears damaged, contact your dealer immediately. Also, keep the box and packaging materials in case you need to ship the unit in the future.



Chapter 1

Installation

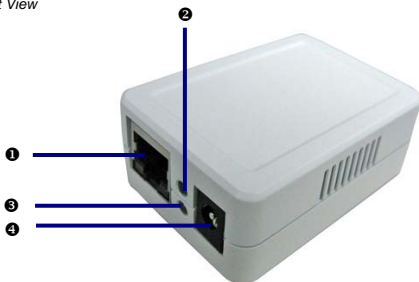
- 1.1 Identifying hardware components
- 1.2 I/O ports' locations
- 1.3 LED Indicators



1 Installation

1.1 Identifying hardware components

Front View



Rear View



NO	Description	NO	Description
❶	10/100Base LAN port	❷	Power port (5V/2A)
❸	System LED	❸	1-USB 2.0 high-speed port
❹	USB LED	❹	Reset Button

1.2 LED indicators

Function	Color	Location	State
System LED	Green	Front	When system power on, the LED will blink for self-test. After booting successfully, the LED will keep light.
USB LED	Orange	Front	When plug in the USB Disk, the LED will turn on. When there is traffic with USB DISK, the LED will blink.

Chapter 2

Starting Up

- 2.1 System requirement
- 2.2 Hardware installation



2 Starting Up

2.1 System requirement

Operating system and software: Windows 2000, XP, 2003, Vista, Mac OS X or above, Linux

Required hardware resources:

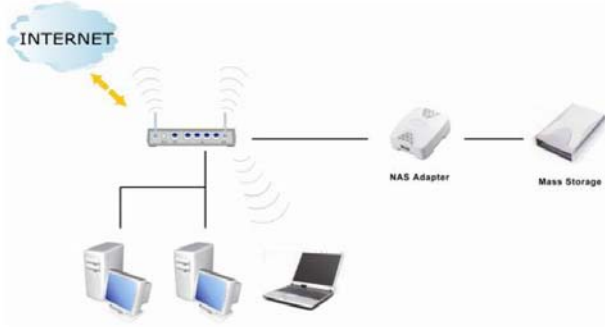
- 10/100 base-TX Auto MDI/MDI-X LAN
- JAVA-enabled computer
- USB 2.0 External HD
- USB cable

2.2 Hardware installation

2.2.1 Connecting the NAS Adapter

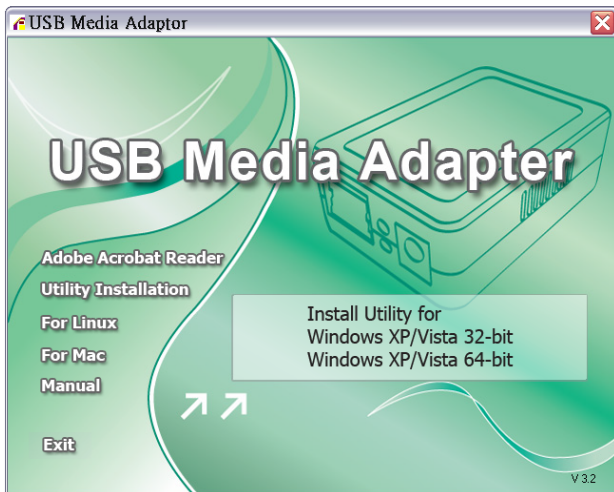


1. Turn off power of the external HD enclosure.
2. Connect the external HD enclosure to the USB port of the rear of the NAS adapter.
3. Turn on power of the external HD enclosure.
4. Connect the AC power adapter cord to the power port to the front of the NAS adapter.
5. Connect the other end of the AC power adapter cord to an electric outlet.
6. Connect the twisted-pair cable to the front of the NAS adapter and the other end of the cable to the router.

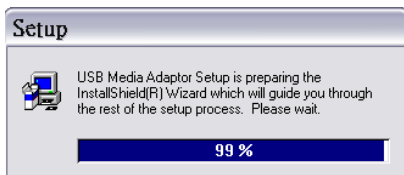


2.3 Utility Installation

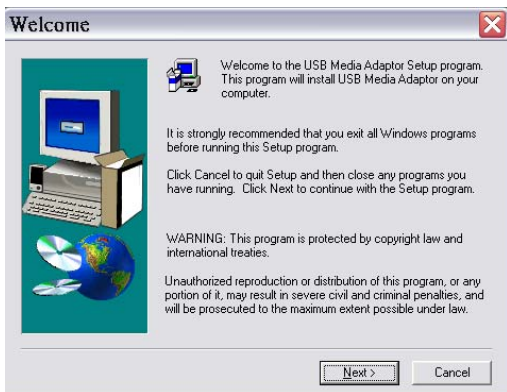
Please double click "Utility Installation" to start the installation steps as follow:



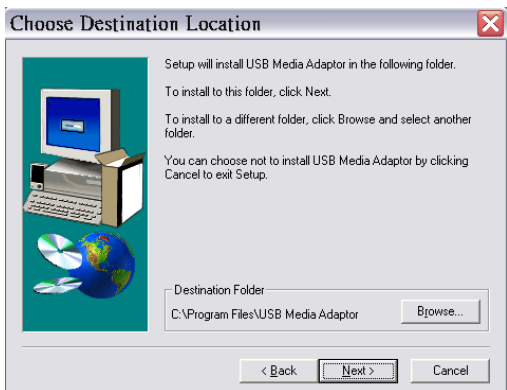
1. Preparing to install the USB Media Adapter Setup.



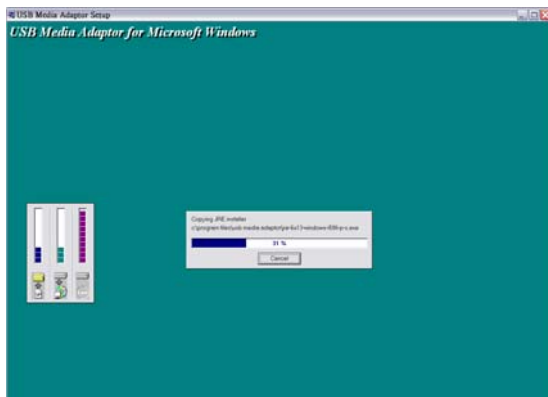
- Click the "Next" button on the Welcome window.



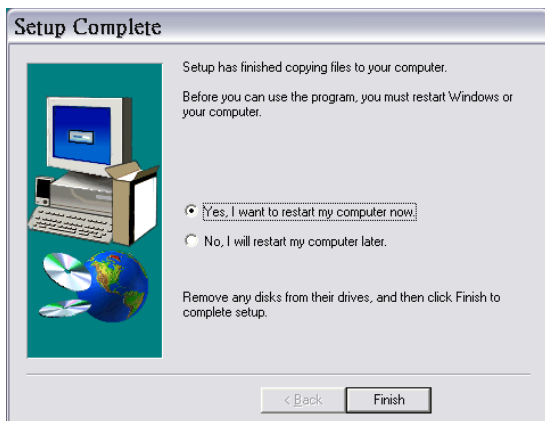
- Select "Browse" to choose the destination location and click the "Next" button on the window.



4. Install processing.



5. Check the "Yes" selection and click the "Finish" button on the Setup Complete window.



Chapter 3

Managing Your Device

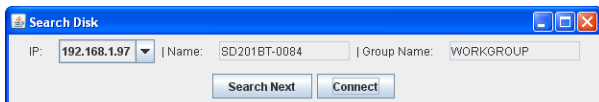
- 3.1 Prepare Your Computer to Connect USB Media Adapter
- 3.2 Status of USB Media Adapter
- 3.3 Setup Your USB Media Adapter
- 3.4 Setting FTP Server
- 3.5 Setup SMB Server
- 3.6 BitTorrent
- 3.7 Media Server
- 3.8 Disk Utility
- 3.9 Misc : Factory Default and Firmware Upgrade
- 3.10 Restart



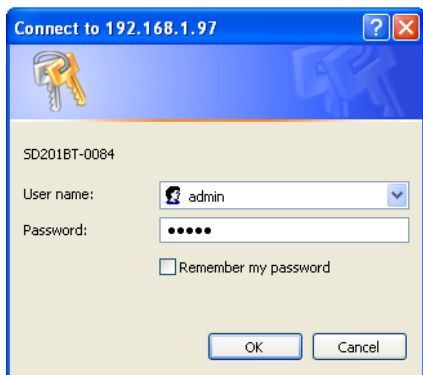
3 Managing Your Device

3.1 Prepare Your Computer to Connect USB Media Adapter

1. Please make sure your computer supports the JAVA environment. If not, you can go to <http://java.com> to download and install the JAVA software.
2. Double click the **Server Search Tool** to search the NAS adapter from your network environment, and then click **Connect**.



Please enter default username and password: **admin**.



Note:

Please setup the fixed IP after you login the system. Please refer to section "Setup > TCP/IP" for further information.

3.2 Status of USB Media Adapter

After logging in, user may find the current system and TCP/IP information by clicking on "Status".

System Information:

It provides system and disk information. System information includes the basic information such as Host Name, Group Name, Firmware version, MAC Address and Date/Time.

Disk Information:

It provides the information of attached HDD such as device name, free size and total size.

Network Storage Series

[Status](#)[Setup](#)[Services](#)[Misc](#)[Restart](#)

SystemTCP/IP

This page displays the general system information of the network storage series.

System Information

Host Name :	STORAGE-CDB5
Group Name :	WORKGROUP
Firmware Version :	R3282-1.51c LOADER32 1.17 008E
MAC Address :	00:02:34:12:cd:b5
Date Time :	2009/08/04 15:55:58 GMT 8:00

Disk Information

Disk ID :	SanDisk Cruzer
Free Size :	3833 MB free
Total Size :	3835 MB

TCP/IP Information

TCP/IP provides current TCP/IP settings and information. The Status of DHCP, IP address, Subnet Mask, Gateway, Primary DNS, Secondary DNS setting will be shown here.

Network Storage Series

[Status](#)[Setup](#)[Services](#)[Misc](#)[Restart](#)

System

TCP/IP

This page displays the current TCP/IP settings of the network storage series.

TCP/IP Settings

Use DHCP/BOOTP :	OFF
IP Address :	192.168.0.105
Subnet Mask :	255.255.255.0
Gateway :	192.168.0.1
Primary DNS :	192.168.0.1
Secondary DNS :	0.0.0.0

3.3 Setup Your USB Media Adapter

Before attaching you external HDD, please check the following items:

1. USB Media Adapter can recognize only the **partition in FAT 32, maximum single file size is 127GB.**
2. If your external HDD is not FAT 32 format, please use the disk utility in "Service > Disk Utility" to format your HDD into FAT 32.
3. If your external HDD contains one FAT 32 partition already, formatting HDD could be unnecessary.

Note: Formatting HDD will cause data lost.

Format your External HDD

Attached and Format your HDD At first Time Setup

Please attach your USB external HDD to the USB port of USB Media Adapter.

Log-in USB Media Adapter and check the "Disk information" in System to see if the external HDD is recognized successfully.

Network Storage Series

[Status](#)[Setup](#)[Services](#)[Misc](#)[Restart](#)[System](#)[TCP/IP](#)

This page displays the general system information of the network storage series.

System Information

Host Name :	STORAGE-CDB5
Group Name :	WORKGROUP
Firmware Version :	R3282-1.51c LOADER32 1.17 008E
MAC Address :	00:02:34:12:cd:b5
Date Time :	2009/08/04 15:55:58 GMT 8:00

Disk Information

Disk ID :	SanDisk Cruzer
Free Size :	3833 MB free
Total Size :	3835 MB

Format your External HDD

If the external HDD is recognized correctly, please go to Services > Disk Utility and click on Format to process. Formatting time depends on the size of the external HDD. It takes 2 to 5 minutes in general.

Network Storage Series

FTP ServerSMB ServerBitTorrentMedia ServerDisk Utility

Disk Utility

Format the Disk :

Power-saving mode :

Scan the Disk :

2009/ 8/ 4 16: 5 Scan complete
3 File(s), 15 Dir(s), Used Size=0KB, 0 Error(s)

Format Finished

After finish formatting, a new webpage will be redirected and shows "Format successfully!"

Setting your USB Media Adapter

Before setting your USB Media Adapter, please check the following items:

1. "Group Name", "Subnet Mask", "Gateway" need to be set as the same as your local network. If the setting is different, your USB Media Adapter is not able to be found on local network.
2. Host Name will be shown in "workgroup Computers".
3. **Setting a fixed IP for USB Media Adapter is highly recommended.** The IP of USB Media Adapter **MUST** in the same segment with local LAN. For example, if the local LAN IP is at 192.168.1.x, the IP of USB Media Adapter also has to be 192.168.1.x (x=available IP from 1 to 253)

System

System Settings

Host Name: The name you want to be shown in local LAN.

Group Name: The workgroup that you would like to join. By Windows are generally "MSHOME" or "Workgroup"

Tips: You may reference the subnet Mask, Gateway, Primary DNS and secondary DNS setting in your Computer. Those information could be found at Control Panel>Network>TCP/IP

Network Storage Series

Status

Setup

Services

Misc

Restart

System

TCP/IP

This setup page allows you to configure general system settings of the network storage series.

System Settings

Host Name : (Max 15 characters)
The first character of the host name cannot be the digit (0 to 9).

Group Name : (Max 15 characters)
The first character of the group name cannot be the digit (0 to 9).

Apply

Date Time Settings

Date : / / (yyyy/mm/dd)

Time : : : (hh:mm:ss) ☐ Synchronize from PC

SNTP Settings

SNTP : ☒ Auto ☐ Disable

Time Server : ☒
☐

Time Zone : ☐ Daylight Saving Time, GMT+8

Apply

Administrator's Password

Account :

Password : (Max 12 characters)

Re-type Password :

Apply

TCP/IP**TCP/IP Settings**

1. Obtain TCP/IP settings automatically: When this option is enabled, USB Media Adapter will use the IP assigned by router. However, this IP may changes from time to time.
2. Use the following TCP/IP settings: Enable this option will allow user to setup a fixed IP, Subnet Mask, Gateway, Primary DNS and Secondary DNS. You may reference the setting in Control Panel>Network>TCP/IP.

Network Storage Series

Status

Setup

Services

Misc

Restart

System

TCP/IP

This setup page allows you to configure TCP/IP settings of the network storage series.

TCP/IP Settings

☐ Obtain TCP/IP settings automatically (use DHCP/BOOTP)

☒ Use the following TCP/IP settings

IP Address :

192.168.0.105

Subnet Mask :

255.255.255.0

Gateway :

192.168.0.1

Primary DNS :

192.168.0.1

Secondary DNS :

0.0.0.0

Save & Restart

3.4 Setting FTP Server

FTP (File Transfer Protocol)

Enable FTP server service let the user to upload/download files from local network or internet.

FTP Settings

1. FTP Service: Click "Enable" and "Apply" will start the FTP service. To stop FTP service, click "Disable" and "Apply" to take effect.
2. FTP Port Number: By default is port 21. User may also enter the number from 1025 to 65599.
3. Codepage: choose the language and click "Apply".

Network Storage Series

Status Setup Services Misc Restart

FTP Server SMB Server BitTorrent Media Server Disk Utility

FTP Server

FTP Service : ☒ Enable ☐ Disable Apply

FTP Settings

FTP Port Number : (21 or 1025 to 65500) Apply

FTP Codepage : Help Apply

Account List :

New Modify Enable/Disable Delete

[User Name]	[Password]	[Access]	[Enabled/Disabled]
anonymous	***	RO	ENABLED

Create, modify, enable, disable and delete a FTP account.

Create a FTP account: Click on "New", the browser will bring up a "FTP New Account" windows. Enter an account name and password. You may also choose the "Access Right" for the added account, it could be "Read only" or "Read/Write". After a new FTP created, a default folder will be created; name of the folder is the same as account name.

Modify a FTP account: Click on "Modify", the browser will bring up a "Modify FTP Account" window. Here you may change the password and the read/write attribute of selected account. Also, you may change the folder name by renaming it. In "Sharing List", you may decide which folder you would like allow the user to browse and write.

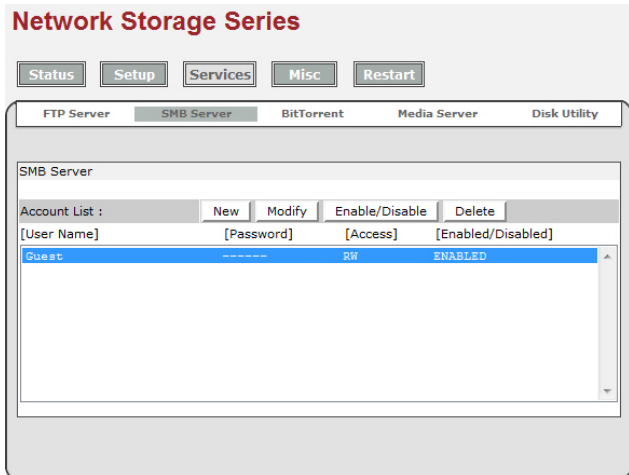
Enable/Disable: This function allows the administrator temporary stop the FTP service to certain user.

Delete: To delete the ftp user account.

3.5 Setup SMB Server

SMB Server:

Enable SMB service let the user to read or read/write files in local network



Create, modify, enable, disable and delete a SMB account.

Create a SMB account: Click on "New", the browser will bring up a "SMB New Account" windows. Type an account name and password. You may also choose the "Access Right" for the added account, it could be "Read only" or "Read/Write". **After a new SMB account created, a default folder will be created; name of the folder is the same as account name.**



Modify a SMB account: Click on “Modify”, the browser will bring up a “Modify SMB Account” window. Here you may change the pass word and the read/write attribute of selected account. Also, you may change the folder name by renaming it. In “Sharing List”, you may decide which folder you would allow the user to browse and write.

Modify SMB Account

Account Name : smb

Password : (Max 12 characters)

Access Right : ☐ Read Only ☒ Read/Write

Folder List

PUBLIC

BT

chris

test

smb

Sharing List

smb

-->

<--

Enable/Disable: This function allows the administrator temporary stop the SMB service to certain account.

Delete: To delete the SMB user account.

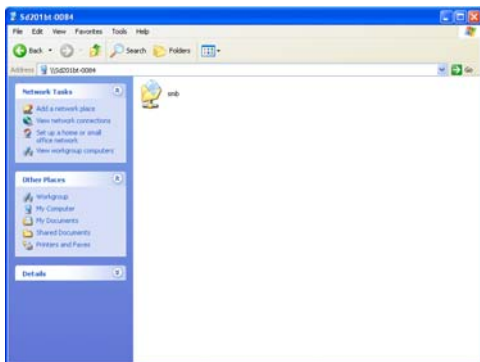
Login SMB server:

After setting a SMB account, user may go to My Network Places>View Group computers to find the SMB server. The server name is the same as the "Host name" in system setup.

Click on the server and the system will pop up a login window. Please enter your account name and password.



If the user name and password are correct, you may login successfully and the accessible folders will be shown.



3.6 BitTorrent

BitTorrent, or "BT download" is a Peer-to-Peer application. By using BitTorrent, nodes in Peer-to-Peer download and share file in P2P network.

Network Storage Series

StatusSetupServicesMiscRestart

FTP ServerSMB ServerBitTorrentMedia ServerDisk Utility

BitTorrent

System ID : 52333238322d312e3531632d31326364623500
Number of the Downloads : 0
Download Path : PUBLIC Apply
Mail Notification : Mail Setup
Server Port : 6881 (Default:6881 Range:1025~65535)
Upload Limit : 50 (KB, Default:0 (unlimited)) Apply
Download Limit : 0 (KB, Default:0 (unlimited))

Upload Your Torrent File
Select the directory and file :
Browse... Upload

Download Queue

RestartPauseStopShowRemove

Setting BitTorrent

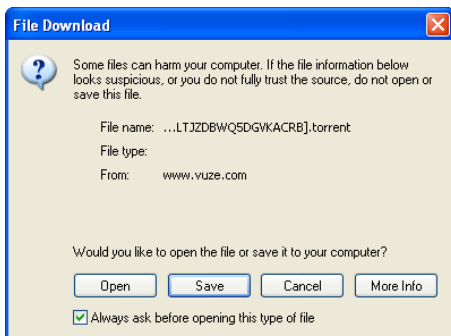
Download Path: Setting a download path to store the completed file.

Mail Notification: USB Media Adapter will send a notification to your email to inform you the download is complete.

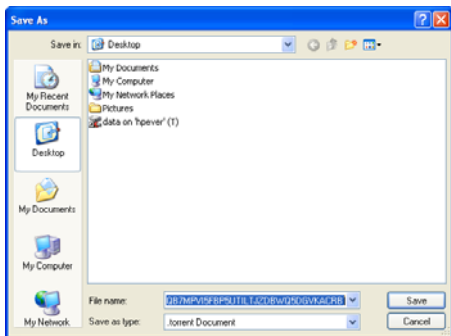
Upload a Torrent to USB Media Adapter

Find and download a Torrent

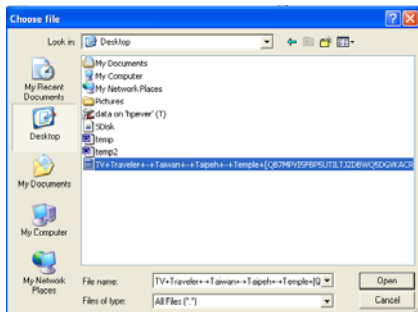
User may find the legal Torrent from Internet easily.



Save the Torrent on Desktop.



Click on "Browse" to select the Torrent



Click on "Upload" button to upload the Torrent into USB Media Adapter.

Network Storage Series

Status
Setup
Services
Misc
Restart

FTP Server
SMB Server
BitTorrent
Media Server
Disk Utility

BitTorrent

System ID : 52333238322d312e3531632d31326364623500

Number of the Downloads : 0

Download Path : PUBLIC Apply

Mail Notification : Mail Setup

Server Port : 6881 (Default:6881 Range:1025~65535)

Upload Limit : 50 (KB, Default:0 (unlimited)) Apply

Download Limit : 0 (KB, Default:0 (unlimited))

Upload Your Torrent File

Select the directory and file : C:\Users\Steven\Desktop\00o_3.1.0_Win Browse... Upload

Download Queue

Restart
Pause
Stop
Show
Remove

Upload complete. In Download Queue will show the downloading file.

Network Storage Series

Status Setup Services Misc Restart

FTP Server SMB Server BitTorrent Media Server Disk Utility

BitTorrent
System ID : 52333238322d312e3531632d31326364623500
Number of the Downloads : 0
Download Path : PUBLIC Apply
Mail Notification : Mail Setup
Server Port : 6881 (Default:6881 Range:1025~65535)
Upload Limit : 50 (KB, Default:0 (unlimited)) Apply
Download Limit : 0 (KB, Default:0 (unlimited))

Upload Your Torrent File
Select the directory and file :
 Browse... Upload

Download Queue

1 WAITING OOo_3.1.0_Win32Intel_install_en-US.exe.torrent

Restart Pause Stop Show Remove

Now the torrent is active and communicating with other nodes. Several minutes later the download will start and show the complete level in percentage.

Network Storage Series

Status
Setup
Services
Misc
Restart

FTP Server
SMB Server
BitTorrent
Media Server
Disk Utility

BitTorrent

System ID : 52333238322d312e3531632d31326364623500

Number of the Downloads : 1

Download Path : PUBLIC Apply

Mail Notification : Mail Setup

Server Port : 6881 (Default:6881 Range:1025~65535)

Upload Limit : 50 (KB, Default:0 (unlimited)) Apply

Download Limit : 0 (KB, Default:0 (unlimited))

Upload Your Torrent File

Select the directory and file :

Browse...
Upload

Download Queue

1 >>> DOWNLOADING 0% OOo_3.1.0_Win32Intel_install_en-US.exe.torrent

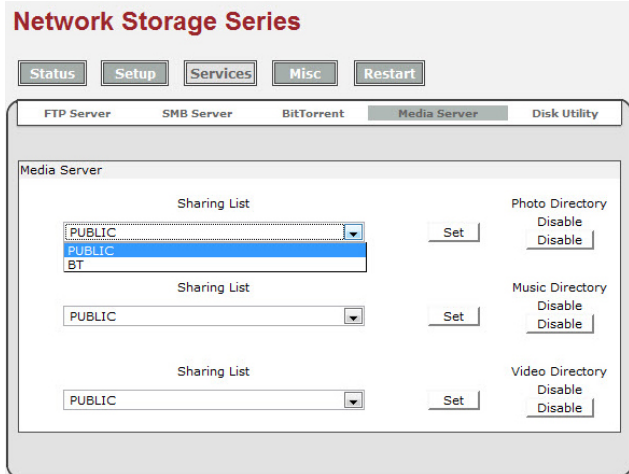
Restart
Pause
Stop
Show
Remove

TIP: USB Media Adapter supports maximum 4 torrents download at the same time and maximum 32Torrents queuing.

3.7 Media Server

USB Media Adapter supports Upnp and allows PS3, XBOX360 and even iTunes to access the sharing folder. User may organize their file by types. USB Media Adapter provides Photo, Music and Video category.

TIPS: User may use SMB service save the file to specific category and select it in Media Server to share and play back with PS3, XBOX360 and iTunes.



3.8 Disk Utility

Disk Utility contains 3 basic Disk tools: Format the Disk, Power-saving mode setting and Scan the Disk.

Format the Disk: Format attached external to FAT 32, the only supported format.

Power-saving mode: If attached external HDD support power-saving, it will enter the power-saving mode automatically.

Scan the Disk: This utility scans attached external HDD to get the detail information like files, directory and used size in total. It also detects the hard disk error as well.

Network Storage Series

StatusSetupServicesMiscRestart

FTP ServerSMB ServerBitTorrentMedia ServerDisk Utility

Disk Utility

Format the Disk :Format

Power-saving mode :NeverApply

Scan the Disk :Start

2009/ 8/ 4 16: 5 Scan complete
3 File(s), 15 Dir(s), Used Size=0KB, 0 Error(s)

ClearRefresh

3.9 Misc: Factory Default and Firmware Upgrade

Factory Default

By pressing "OK", the USB Media Adapter adaptor will reload the default setting and all the current setting will be erased.



Firmware Upgrade

User may enhance better performance and stability by upgrading Firmware. Simply download the firmware to computer and click on "Browse" to select it. Make sure the firmware is correct and press "Firmware Upgrade" to process it. Firmware Upgrade will spend several minutes and the current setting will also be erased.

Network Storage Series

[Status](#)[Setup](#)[Services](#)[Misc](#)[Restart](#)[Factory Default](#)[Firmware Upgrade](#)

This page allows you to upgrade the firmware of the network storage series.

Note: please make sure the firmware is correct before you proceed. If you do not know which firmware file you should use, please contact your local dealer for technical support.

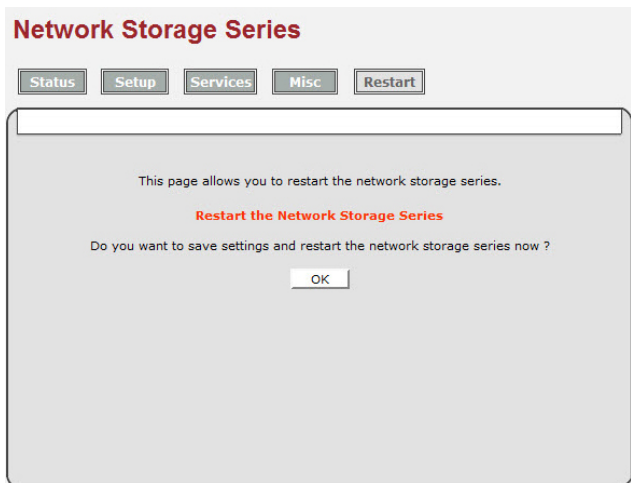
Firmware Upgrade

Select Firmware Directory and File:

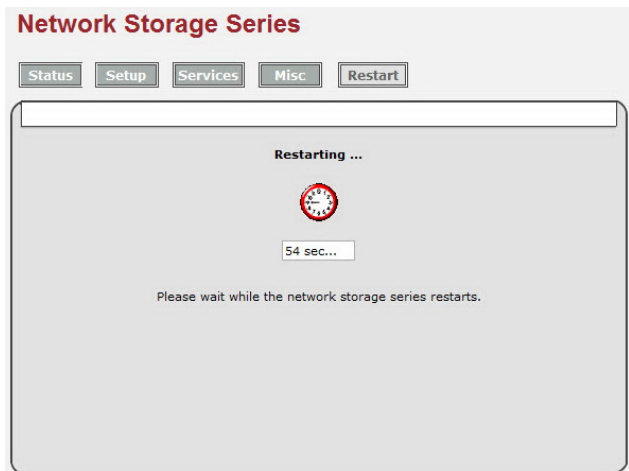
[Browse...](#)[Firmware Upgrade](#)

3.10 Restart

This function let user to restart the USB Media Adapter without pressing the physical reset button. To restart USB Media Adapter, click on "OK".



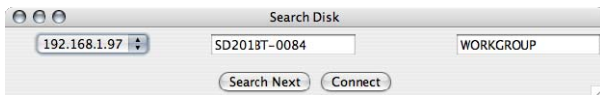
Restart will complete in 60 seconds and will automatically redirected to status page if it is setting with a fixed IP.



3.11 Linux and Mac system

The following two procedures are for Linux and Mac, other procedures are similar as previous.

1. Please install the JAVA environment for Linux and Mac system.
2. Double click the **SDisk.jar** to search the NAS adapter from your network environment, and then click Connect.



Chapter 4

Internet Connection



4 Internet Connection

Connection to NS2101 over the Internet:

NS2101 has a fixed IP:

1. Open the IE of the external network computer and input the IP of SD201BT in the address bar to access the WEB management interface.

NS2101 has no fixed IP:

Method 1: DMZ connection

1. Set the NAT function of the IP sharer connected to NS2101 first. (The NAT setting may vary among different IP sharers. Set the virtual IP of the internal network whose DMZ default server IP is SD201BT.)
2. Record the external IP of the IP sharer.
3. Open the IE of the external network computer and input the external IP of the IP sharer in the address bar to access the SD201BT WEB management interface.

Method 2: DDNS connection

1. Register a domain (for instance: sd201btsandy.mine.nu) with a Dynamic DNS website (e.g. www.dyndns.org) and write down the domain, ID and password.
2. Set the DDNS function at the IP sharer connected to NS2101. (The DDNS setting may vary among different IP sharers. It is necessary to input the domain, ID and password applied on the Dynamic DNS website.)
3. Open the IE of the external network computer and input in the address bar the domain, ID and password applied on the Dynamic DNS website to access the SD201BT WEB management interface.

Chapter 5

Troubleshooting



5 Troubleshooting

Often after time spent troubleshooting, the problem is traced to something as simple as a loose connection. Check the following before proceeding to the problem-specific solutions.

In each problem-specific section, try the steps in the order suggested. This may help you to solve the problem more quickly.

Keep a record of the steps you take when troubleshooting: The information may be useful when calling for technical support or for passing on to service personnel.

- Use some other electrical device to confirm that the electrical outlet is working.
- Ensure all connections are securely attached.

General Problems

Refer to the following general problems you may encounter.

PROBLEM	SOLUTION
What can DHCP do as well with NAS Dongle?	If you have installed a router with a built-in (active) DHCP Server, NAS Dongle will be automatically set up as a DHCP client.
Any limitation on the length of the NAS Dongle file name?	The length of the file name is limited to 12 bytes.
What is the limitation on users of NAS Dongle FTP and Samba and account mode?	<ol style="list-style-type: none"> 1. FTP 8 Users / Samba 8 Users (Total 24 sessions at the same time). 2. FTP Server: Account (maximum 32 user accounts created, 8 user accounts connected at the same time, and maximum 16 folders shared by one account). 3. Samba Server: Share Level Access (maximum 16 folders shared by root)
May I use a USB Media Adaptor with a USB flash drive?	Not suggested. A USB flash drive may slow down the BT/FTP transmission rate or cause instability.
Why can't I create/share folders in an SMB or FTP server?	To avoid any language support issue, you are suggested to create/share folders with English characters only.